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Studies in Eucalyptus

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STUDIES IN EUCALYPTUS

Compiled and Edited by
W. E. GRAVES

ST. LOUIS, MO.

1910

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sent. Mar. 4, 1910.

TO THAT SOUL who may view these pages with interest or skepticism, I desire to say that the information regarding the diameter and height of the various Eucalypts illustrated herein was secured by the writer from PERSONAL measurements, and the age was supplied direct from the owner of the grove.

These facts and figures are absolutely correct and are NOT subject to ANY discount.

They are published with full knowledge that you, YOURSELF, may seek to verify, and if found faulty, our chance of developing your grove is dead.

This data was secured at a great expense of time and labor, and I sincerely trust it may prove of GENUINE benefit to many of my fellowmen.

W. E. GRAVES.

**"Great oaks
from little acorns grow,"
Giant trees
from little seeds we sow.**

¶ **\$2500** planted today in Eucalyptus, under proper care and management, will produce **\$25,000** every ten years the rest of your life and that of your children as well, without interfering in the slightest with your present occupation, and without incurring any risk whatsoever in the investment.

¶ These are facts and figures demonstrated by incontrovertible proof, a portion of which is submitted in this booklet.

¶ If you are a thinking man, here is the place you want to **stop**—and do some **tall** thinking of the **REAL SERIOUS** kind.

¶ We **provide** the **proper care** and management and absolutely **safeguard** your investment through the development period.

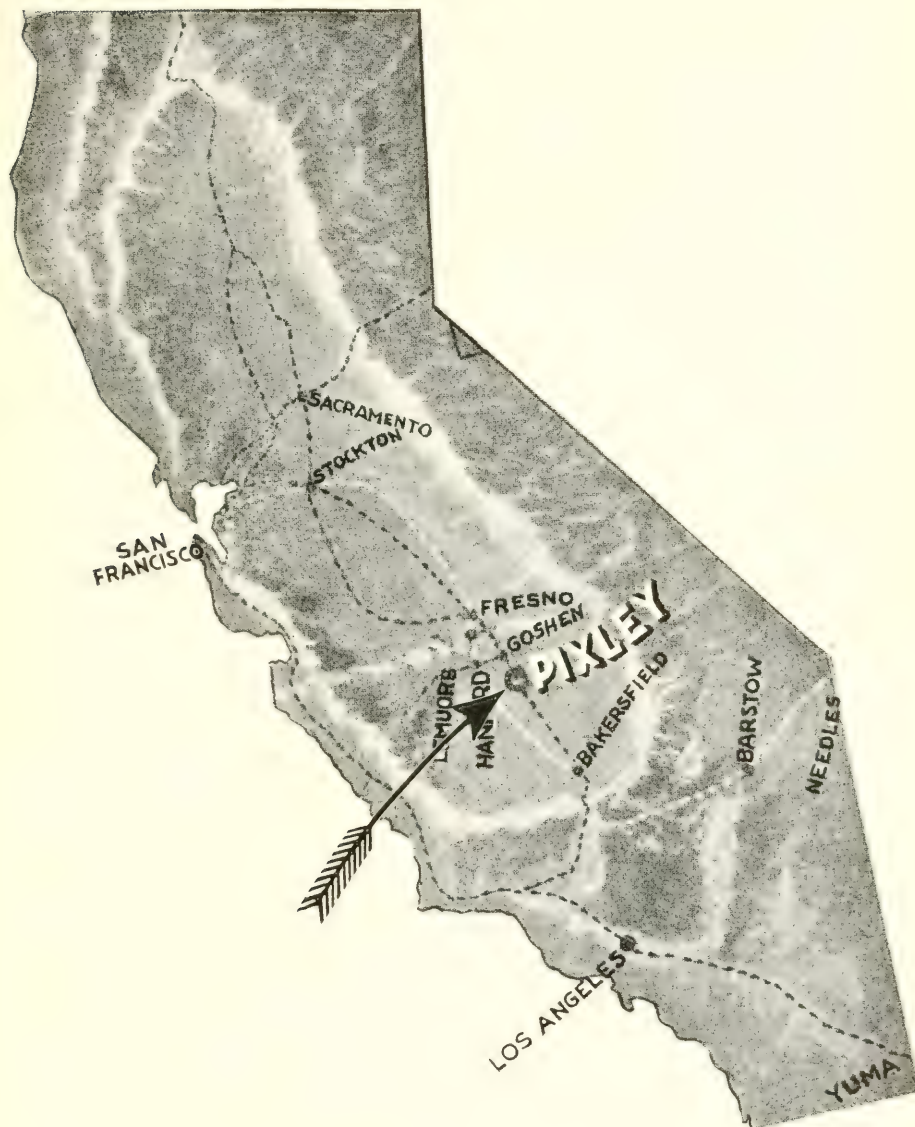
Eucalyptus Timber Corporation

W. E. GRAVES
Asst. Secy. and Supt. of Agencies

GENERAL SALES OFFICE
SUITE 906-907 SYNDICATE TRUST BLDG.
ST. LOUIS, MO.

FOREST RESERVES, PIXLEY, CAL.

The perpetual snow of the Sierras is the source of an inexhaustible water supply to the San Joaquin Valley.



Relief map of California, showing the location of the lands of the Eucalyptus Timber Corporation, at Pixley, Tulare Co., Cal., in the heart of the San Joaquin Valley.

Mt. Whitney, the highest mountain peak in the United States—elevation 14,824 feet—is situated in the Sierra Nevada Mountains northeast of Pixley.

Eucalyptus from the Raw Land to the Finished Product

×



Main line of the Southern Pacific. Interior route from Los Angeles to Frisco, passing directly through the property of the Eucalyptus Timber Corporation.



Preparing the ground. Steam plow cutting twelve furrows at a time on the Eucalyptus Timber Corporation lands.



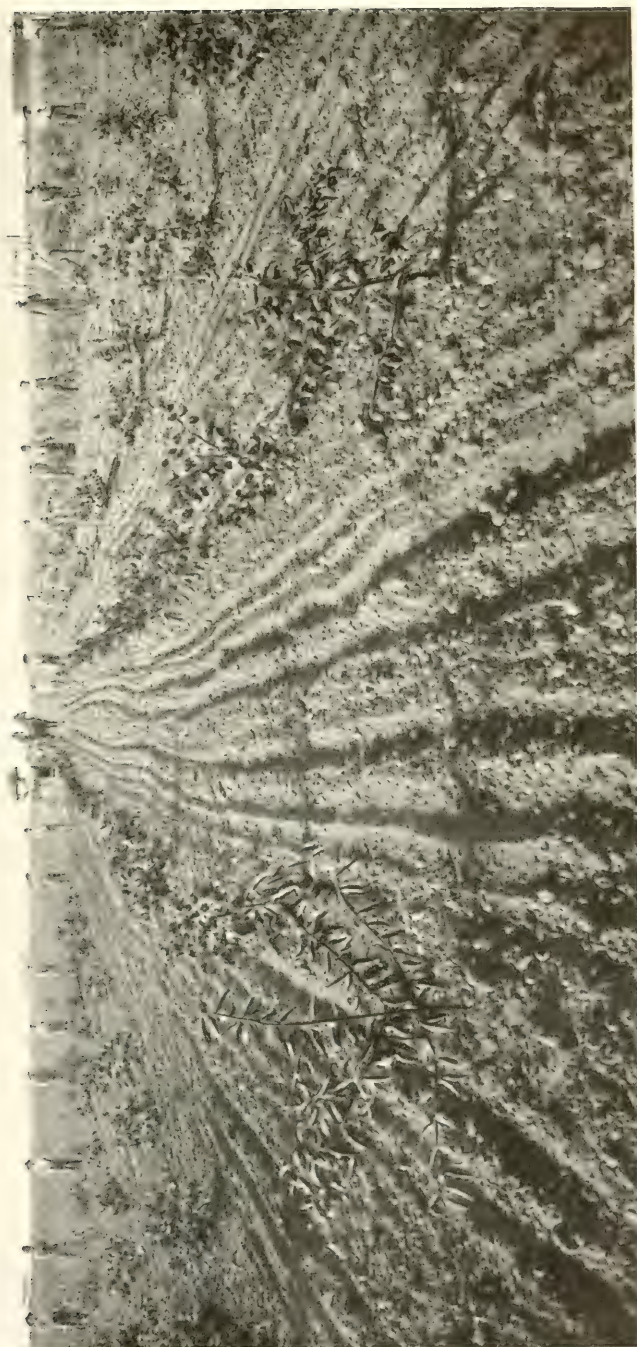
General view of lands and nursery of the Eucalyptus Timber Corporation
Tract No. 4, Pixley, California.



INTERIOR VIEW OF NURSERY, OR LATHE HOUSE

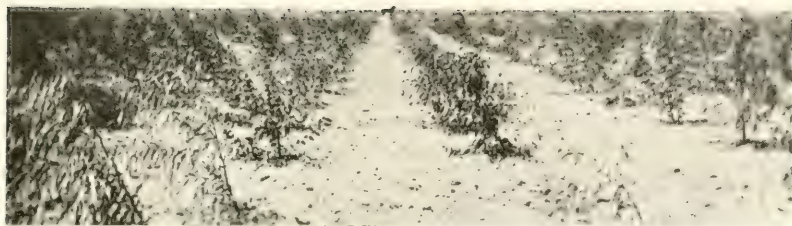
Eucalyptus Timber Corporation, Tract No. 4, Pixley, California. The young plants are placed in here for protection from the sun's intense rays until they harden up.

They are ready for planting in the field at about six to eight months of age.



THE YOUNG FOREST JUST ESTABLISHED.

Three months old Rostrata Seedlings, Tract No. 4. Property Eucalyptus Timber Corporation. Example of our careful method of cultivation. Every acre of land we are planting is just as level as shown in this picture.



Eucalyptus Rostrata, four months old, Tract No. 1, Eucalyptus Timber Corporation.
Note the evidence of our careful cultivation.



Eucalyptus Rostrata (Red Gum) on timber Tract No. 1, Eucalyptus Timber Corporation,
Pixley, Tulare County, Cal. Six to ten inches high when planted.
Planted April 5, 1909. Photographed October 4, 1909.
Age 6 months. Height 9 feet.



EUCALYPTUS TERETICORNIS (Red Gum.)

Grown by the Eucalyptus Timber Corporation on Tract No. 1, Pixley, Cal.
Age, exactly 19 months. Height, 20 feet.



Photo by W. E. Graves; Dec. 22, 1909.

Partial view of a 1640-acre Wheat Ranch under one fence, owned by R. T. Priest, Pixley, Cal. This ranch joins the property of the Eucalyptus Timber Corporation, and is evidence that we are using good soil and not "wild land" for our plantings.



Wind Mill, Ranch House and Orange Trees on Tract No. 1. Property of Eucalyptus Timber Corporation.
Photo by W. E. Graves, Dec. 22, 1909



Photo by W. E. Graves, Dec. 22, 1909

Orange Trees growing at Ranch House, Tract No. 1, of Eucalyptus Timber Corporation. Substantial evidence of the fact that we are using GOOD soil and NOT cheap land for our operations.



Photographed by W. R. Wheaton, Dec. 13, 1909 (W. E. Graves in picture)

Eucalyptus Globulus (Blue Gum) Sprout Growth, 9 months old, 12 to 18 feet high.
fourth crop—Thaxter Grove, six miles from Los Angeles.
Original trees cut in March, 1909.



Photo made Nov. 1909

EUCALYPTUS SPROUT GROWTH

Seven months old, height 15 feet. Streets of Tulare, Cal.
Original tree cut down April 1909.



Photo by W. E. Graves, Dec. 1909

EUCALYPTUS ROSTRATA. SPROUT GROWTH.

Eighteen months old; diameter, 3 to 5 inches; height, 25 to 30 feet. Third growth from same stump. Second growth was three trees 12, 13 and 14 inches in diameter at 6½ years. Original stump is now 30 inches in diameter and is 15 years old.



Photo and Measurements by W. E. Graves, Dec. 23, 1909

EUCALYPTUS GROVES OF L. MICHEAUX,
Compton, Cal.

Grove on left Four years and eight months old; seedling growth.
Average diameter, 8 to 9 inches. Height, about 60 to 70 feet.

Grove on right Five years and eight months old; sprout growth.
Average diameter, 9 to 12 inches. Height, about 85 feet.

Mr. L. Micheaux, in his Compton Grove, containing 30 acres of Eucalyptus from which he cuts about five acres each year (6 years of age), giving a steady income of over \$5000 per annum.

The tree by which Mr. Micheaux is standing is a sprout growth, 12 inches in diameter breast high, and is five years and eight months of age, according to Mr. Micheaux's positive statement after being requested by the writer three different times to refreshen his memory carefully, as we were desirous of procuring **absolute facts**.

Mr. Micheaux's work is a striking example of successful Eucalyptus culture, and the public is indebted to him for some very valuable data as to the **actual results** which he has accomplished.

He has kept a careful record of the date of each cutting and the results obtained, and is, therefore, in position to speak accurately and intelligently.

He has grown his timber solely for cordwood purposes. This, of course, brings quicker returns, but nothing like the results if left a few years longer and sold for lumber.

(Information procured and photo taken by W. E. Graves, December 23, 1909.)



Photo by W. E. Graves, Dec. 23, 1909

L. MICHEAUX IN HIS COMPTON GROVE.

Eucalyptus Globulus — Sprout Growth
Diameter, 12 inches, breast high. Height, about 85 feet
(See opposite page.)

GROVE OF L. MICHEAUX, COMPTON, CAL.
(Eucalyptus Globulus)

Sprout growth Third crop

Age, 5 years and 8 months. Diameter of tree in foreground, 18 inches. Height, about 85 feet. Average diameter of grove, 10 to 11 inches. Previous cutting, April, 1904.

Three trees were cut from this stump last month, producing from three to four cords, sold for \$7 per cord net. The tree left will make a beautiful 50-foot telegraph pole, easily worth \$8 or \$10.

This is a total revenue of \$30 from **one** stump in six years, equal to the **total net** revenue for **six** years from one **acre** of Kansas wheat, figuring the State average.

The above information was volunteered and vouched for by Mr. Micheaux, who is standing on the left in accompanying picture. Mr. Harman, Treasurer Eucalyptus Timber Corporation, on right with tapeline.

(Photo by W. E. Graves, Dec. 23, 1909.)



Photo by W. E. Graves, Dec. 23, 1909

GROVE OF L. MICHEAUX
Compton, Cal.

Age, 5 years and 8 months.

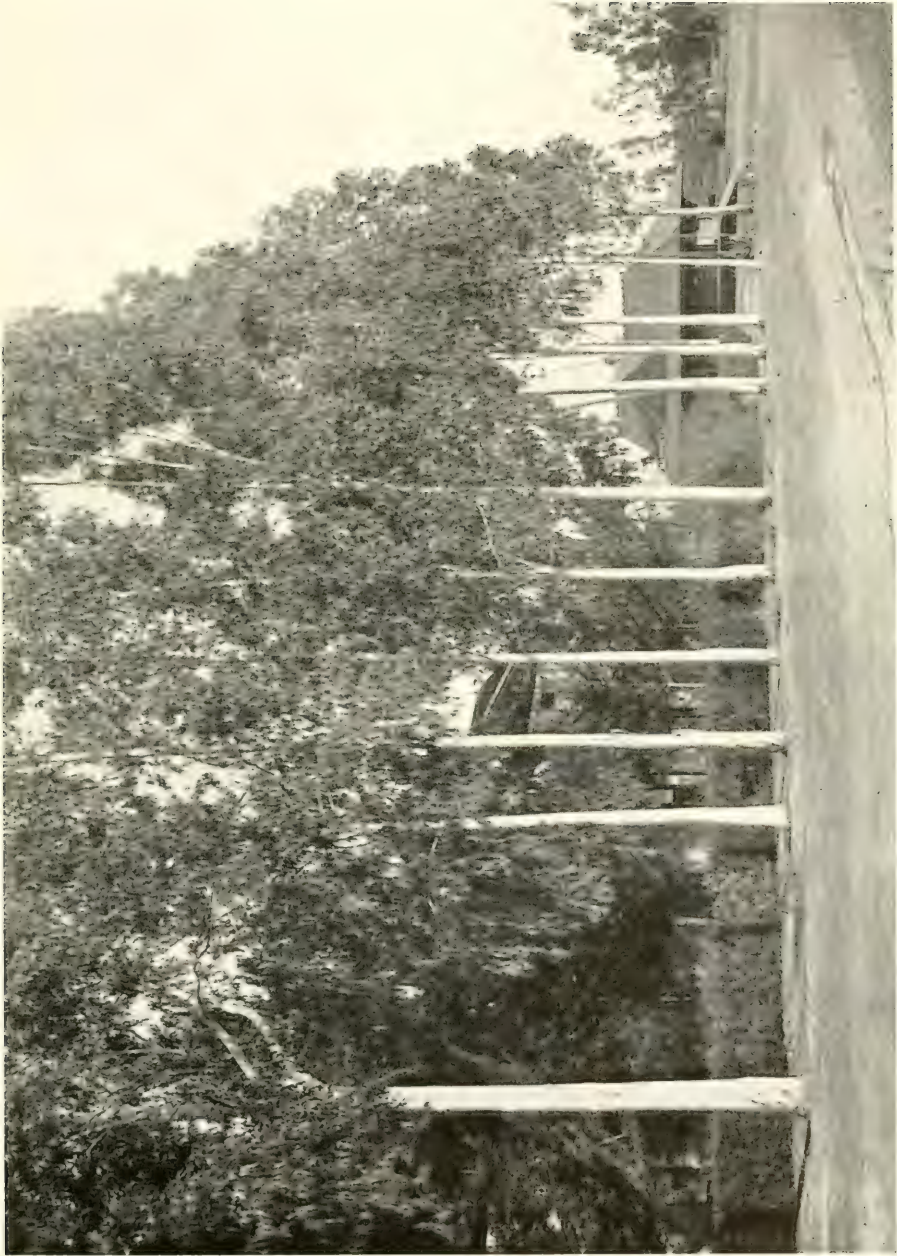
Diameter of tree in foreground, 18 inches. Height, about 85 feet.

(See opposite page)



Photo by W. E. Graves, Dec. 23, 1909

This is the six-acre Grove which Mr. L. Micheaux cut during May, 1908, at 6½ years of age, and sold the crop for \$3,626.00 net, for cord-wood and telegraph poles. Sprout growth now 19 months old; diameter, 3 to 4 inches; height, 25 to 30 feet.



Tereticornis. Ten-year olds. Growing on streets of Murrietta, Southern California.
Diameter, 14 inches. Height, 80 to 100 feet.



THAXTER GROVE (Eucalyptus Globulus)

Six miles from Los Angeles. Nadeau Station, Watts Car Line.

Sprout Growth. Eleven years old, third crop. Height, 90 to 120 feet. Easily average 100 feet. W. E. Graves standing on log cut down. This log was measured three different times by W. E. Graves for absolute accuracy. Height, 115 feet. Diameter at base, 18 inches; diameter 30 feet up, 13 inches; diameter 60 feet up, 9 inches.

Two tall trees center of photo, 17 inches diameter, breast high.

Age given to Mr. Graves by Mrs. Thaxter, owner of the grove. She owns thirty acres; sells it all for cordwood at \$10 per cord on the ground. Cutting costs her \$2.50 per cord.





THAXTER GROVE
(*E. Globulus*)

Sprout Growth. Eleven years old. Height, 110 feet.

Diameter of tree by W. E. Graves, 20 inches

" center tree, 18 "

" tree on left, 13 "

Measurements taken breast high.

Diameter of group of 5 in rear growing from one stump
two 15 inches and three 14 inches, breast high.





Photo Fall of 1909

EUCALYPTUS ROSTRATA (Red Gum.)

Sprout growth, 7 years old. Diameter, first tree, 10 inches; two rear trees, 13 inches each; height, 80 feet. In Davis Grove, San Fernando Valley, 10 miles out of Los Angeles.



Measurements by W. E. Graves, Dec. 22, 1909

Twelve-year-old Eucalyptus growing on property of Eucalyptus Timber
Corporation at Pixley, Cal. Diameter at base, 26
inches; breast high, 23 inches.





Photo by Pierce, photographer, Los Angeles (W. E. Graves in picture.)

EUCALYPTUS GLOLUBUS (Blue Gum.)

"Lucky" Baldwin's Ranch, 18 miles east of Los Angeles. Seedling growth, 15 years old.
Diameter 22 inches; height, 110 feet. Trees in this row range from 18 to 25
inches in diameter. Tree contains 1500 feet of lumber
and is worth \$37.50 on the stump.





Photo, 1909

EUCALYPTUS TERETICORNIS.

Age 20 years. Diameter, 3 feet; height, 125 feet—Murietta, Cal.,
75 miles southeast of Los Angeles.





Photo by Pierce. Measurements by W. E. Graves, Dec. 19, 1909

"ROMONA ACRES"—Los Angeles

Eucalyptus Globulus planted by W. O. Stevens for wind breaks. About 12 years old. Height, 75 to 90 feet; diameter, from 7 to 17 inches. Tree No. 1, 7 inches diameter; No. 7, 14 inches diameter; No. 20, 17 inches diameter. Fair growth only; about 90 feet to water.



The Eucalyptus forest, with its straight trunks, fawn colored and silver gray, bearing pendant strips of brown bark and crowned with shining foliage, is as beautiful as the northern birches and on a grander scale. Orange trees on the left. "Old Baldy" in the background. Near Los Angeles.





Photo by Pierce. Information by Mrs. Loyd, an old resident of Wesley Ave.
Eucalyptus Globulus, formerly growing on corner of Wesley Ave. and 36th St., Los Angeles, Cal.
Age when destroyed, 20 years; height, about 125 feet; diameter, about 2½ feet.





EUCALYPTUS GLOBULUS.

This row of trees 23 years old. Average diameter, about 36 inches; height, 125 to 150 feet. Will cut from 1500 to 2000 feet of lumber to each tree. Value on the stump, \$25.00 per 1000 feet. Mills are paying this price. These trees are growing on Melrose Ave., South Hollywood, Cal., just out of Los Angeles.



A Twenty-five-year-old Eucalyptus, three miles out of Pixley. Diameter, 4 feet.

ONE OF THE NUMEROUS EVIDENCES OF

“Why you owe it to your family to buy
Eucalyptus”

On the afternoon of December 25, 1909, I called at the residence of Hon. Elwood Cooper, twelve miles north of Santa Barbara, Cal., for the purpose of verifying the numerous statements made in Government Bulletin No. 35, and also the Forestry Society Bulletins regarding the wonderful growth of Eucalyptus on Mr. Cooper's ranch. Notwithstanding it was Christmas day, Mr. Cooper very cheerfully consented to “show me around” and give me any desired information.

Mr. Cooper is very proud of his trees and justly so.

We were admiring the cluster of 30-year old Globulus (seedling growth, see accompanying cut), lifting their lofty heads 160 feet in the air, occupying ground space not to exceed 6 x 30 feet, if that, when I turned to Mr. Cooper with that proverbial American query, “What will they bring?” I quote his reply herewith:

“Well, there are sixteen trees in that clump. The third one on the right is 2½ feet in diameter and measures over 2000 feet of lumber. It is safe to say the trees will average fully 1000 feet each. This would make 16,000 feet of lumber.

I can sell the lumber any day, F. O. B. cars here, cut and cured, at \$100 per thousand feet, which would make the trees bring \$1600.”

“That is, of course, taking both the grower's and millman's profit, Mr. Cooper, would you not sell those trees just as they stand on the stump for say \$1000 cash?”

“No, I would not, for I have quite a large acreage of Eucalyptus on my ranch, and I intend putting in a sawmill next year, and it will not cost me anything like \$500 to cut and cure 16,000 feet of lumber.”

Should Mr. Cooper sell these trees at the price which we publish in our literature as that which the grower will undoubtedly obtain viz., \$25 per 1000 feet on the stump—this clump of 16 trees would bring \$400, or an average of \$25 per tree, the buyer to do the cutting.

Think what an acre of such trees planted in proper forest form would bring: 500 trees 30 years old, at \$25 each, \$12,500, from an original investment of only \$250. It staggers the imagination.

Regarding the possible correctness of the information furnished by Mr. Cooper here and elsewhere, I wish to say that Mr. Cooper is a gentleman of large means and much learning. He has a library that would be a credit to some of the best college men of the day. He is a man of possibly seventy summers. Has no Eucalyptus lands whatever for sale, and the statements made by him are **absolutely above question.**

W. E. GRAVES.



Growing on ranch of Hon. Elwood Cooper, Santa Barbara, Cal. Diameter, 18 to 30 inches; height, 160 feet; age, 30 years. The trees here are planted entirely too close together for good development.

See opposite page.

Eucalyptus "Monarchs"

RANCH OF

HON. ELWOOD COOPER, SANTA BARBARA, CAL.

Thirty-five years old; height 175 feet. (Height measurement taken recently by the Government Forestry Bureau.)

Diameter	No. 1	on left,	breast high,	3 feet
"	No. 1	" right,	" "	19 inches
"	No. 2	" "	" "	33 "
"	No. 4	" "	" "	32 "

(Diameter measurements made by W. E. Graves, December 25, 1909.)

These ten trees will average 2000 feet of lumber each, which, at \$25 per 1000, would make the trees worth \$50 apiece on the stump. If cut and cured the lumber would bring at least \$90 per 1000 wholesale, which would be a total of \$1800 for the ten trees.

The Hughes Manufacturing Company (the largest cabinet factory in Southern California, doing interior work for banks, office buildings, etc.), stated to the writer that they would be glad to enter into a contract to take all the Eucalyptus lumber a man could supply, properly cured, at \$90 to \$100 per 1000 feet, F. O. B. cars at point of production.

W. E. GRAVES.



Growing on ranch of Hon. Elwood Cooper, Santa Barbara, Cal. Diameter, 19 to 36 inches; height 175 feet; age 35 years.
See opposite page.



EUCALYPTUS GLOBULUS.

Flowers and seed pods. Note the long tapering leaves characteristic of this species.
Another characteristic feature of the Globulus is the continual flaking of its bark.



California Eucalyptus Sawn and Piled.

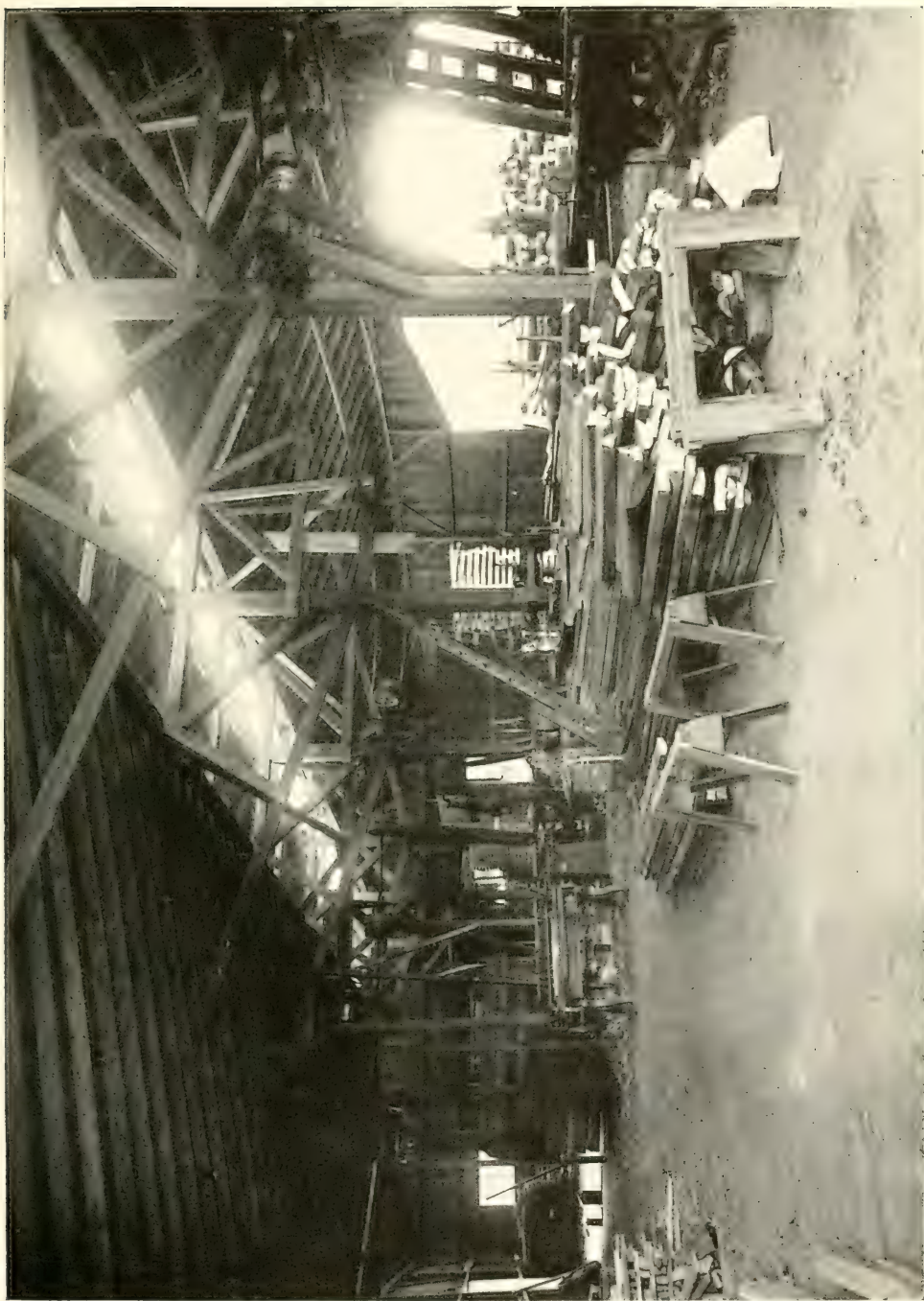


Photographed by W. R. Wheaton, Dec. 13, 1909

New Bank at Alhambra, Cal., 10 miles from Los Angeles. Interior finished in Mahogany Eucalyptus by The Hughes Manufacturing Co. Finish as exquisitely beautiful as man could desire. W. E. Graves in picture.

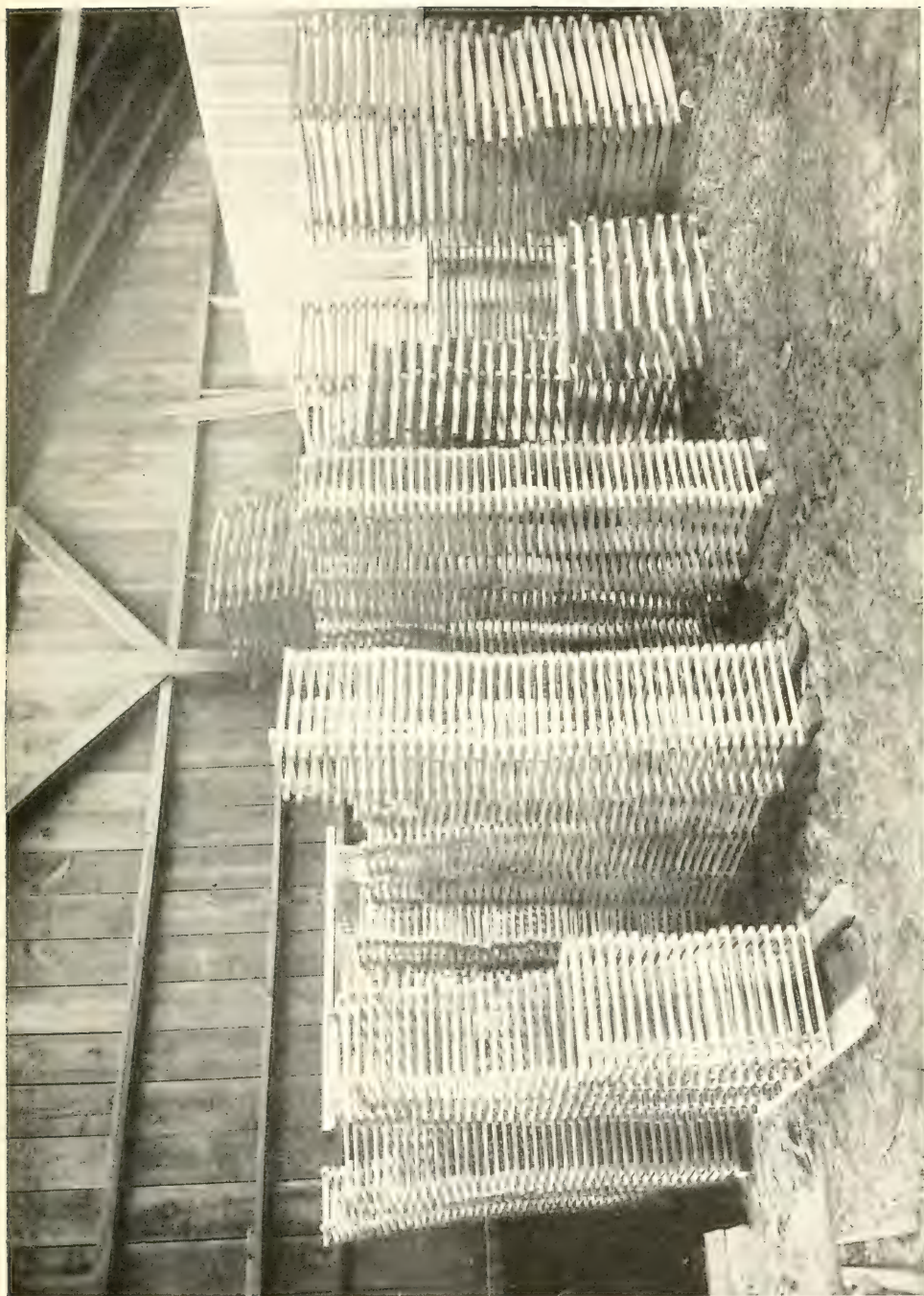


Logging California Redwood several hundred years old. Trees two to three feet in diameter. Same results will be accomplished in modern cultivated Eucalyptus Forests in twenty-five years.



Plant of the Eucalyptus Mill Company, Los Angeles, operating on Eucalyptus lumber.
Owned by the members of the Eucalyptus Timber Corporation.





Singletrees and Pick Handles manufactured from Eucalyptus Globulus by the Eucalyptus Mill Company, Los Angeles.
Considered fully equal if not superior to second growth hickory.





GIANT SEQUOIA.

Twenty feet in diameter at top of the opening in tree. Probably a thousand years old or over.
A striking example of the "Big Trees" of California.



Photo December, 1909

Flowers and Foliage the year round in Southern California.



Interior Southern Pacific and the Grosse Building adjoining finished in Eucalyptus, imported under the name of Australian Mahogany. The Grosse Building has now been completed for three years, and the Southern Pacific much longer. I examined the wood work of both buildings, December, 1909. They are in perfect condition. Not the slightest sign of warping or checking. W. E. Graves.



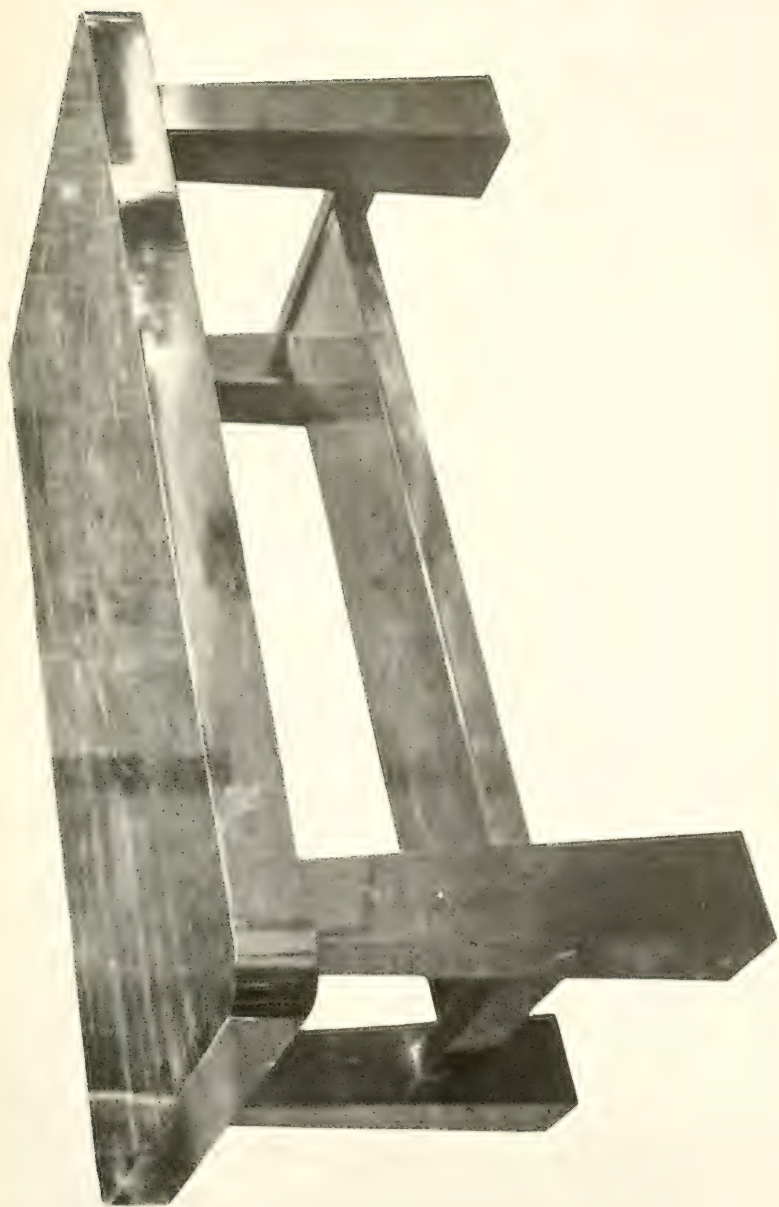
PLANT OF THE HUGHES MANUFACTURING CO., Los Angeles.

The main building is 120 feet wide and 400 feet long. One of the largest mills in Southern California. They have been experimenting extensively for the past three years in Eucalyptus and pronounce it one of the most desirable of all woods for implements, cabinet and interior work of all descriptions.



DINING CHAIRS.

Eucalyptus Mahogany, made by the Hughes Manufacturing Co. from
California grown Eucalyptus.

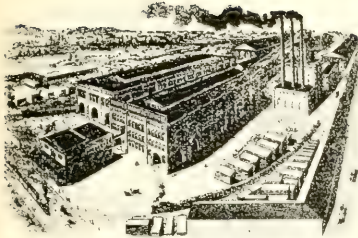


DIRECTORS TABLE Eucalyptus Mahogany.

Made by the Hughes Manufacturing Co. from Eucalyptus grown near Santa Barbara, California. Photo should have been made before the table was finished, as the high lights spoil the photo.



Example of the Rabbit-tight fence enclosing properties of the
Eucalyptus Timber Corporation.



MAIN OFFICE & YARDS
1430 S. ALAMEDA ST.

HUGHES Manufacturing & Lumber Company

SASH, DOORS & GENERAL MILL WORK.

THOMAS HUGHES PRES
R D WADE VICE PRES
LESTER L ROBINSON SECY
G G HUGHES GENL MANAGER
A CROOKSHANK TREAS

SUNSET EXCH 27
PHONES. MON EXCH 281

LOS ANGELES, CAL.

12/20/09.

Mr. W. E. Graves,

St. Louis, Mo.

Dear Sir:--

Replying to your inquiry as to our experience in the use of Eucalyptus, will say that we have used it to considerable extent during the past three years for interior finish, cabinet work, etc. We would use it much more extensively, were it possible to procure the lumber.

We did the Grosse Building of this City in eucalyptus imported from Australia.

We have just finished the new Bank at Alhambra, in California-grown eucalyptus, (mahogany finish), and you could scarcely imagine anything more beautiful.

I believe the wood is fully as strong as oak or hickory. When properly cured, it is as free from warping or checking as any hardwood we have.

In fact, in view of the scarcity oak, and the many uses to which eucalyptus is adaptable, it will doubtless become the hardwood of the future.

We have recently finished a Directors' table and set of chairs in eucalyptus, and it will compare most favorably with the best mahogany.

Very truly yours,

HUGHES MFG. & LBR. CO.

By

J. A. Senter
Supt

Los Angeles, California. December 23, 1909

Mr. W. F. Graves,
C/O Eucalyptus Timber Corporation,
St. Louis, Missouri.

Dear Sir:-

Referring to your recent visit to my eucalyptus grove and your request for a certified letter from me reviewing the information which I cheerfully gave you, or which I would be glad to tell any reputable business man interested in the development of eucalyptus, will say that I have kept careful records of the proceeds of my various cuttings as a guide to future care and sale.

I have a thirty acre tract of eucalyptus three miles North West of Compton, the major portion of which has been cut the third time. I have sold it practically all for cord wood purposes, cutting the timber at about five, six and seven years of age. Last year I cut six acres of cord wood, (sprout growth), at six and a half years of age and sold the same for \$3726.00 on the ground. This was Net, cost of cutting having been deducted. I left 500 choice trees for telegraph poles standing and sold them to the Los Angeles & Redondo Ry. Co. for \$2800.00 cash. They to do the cutting and hauling. This averaged me \$5.60 per pole on the stump. In addition to the foregoing I cut about 300 cords from this six acres when thinning my trees, realizing \$7.00 per cord, net.

This, you will see, has brought me a revenue of \$8626.00 on six acres from a six and one-half years growth, or an average of \$1437.00 per acre. Eucalyptus is like everything else: Scientific treatment will bring double results.

As to the value per acre I could hardly say, as but little acreage has ever been on the market, but the following will give an idea: As explained to you I expect to go back to the old country some time soon and am disposing of my property. I sold recently 120 acres near Santa Ana, California, for \$700.00 per acre straight. It contained groves at two, three and four years of age. I have a five acre tract adjoining my ranch house which is now four years and eight months old and the trees will undoubtedly average from 8 to 9 inches in diameter. There a number of trees on the tract 12-14 and 15 inches in diameter.

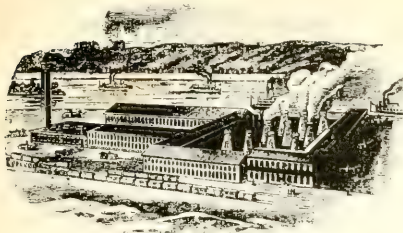
Adjoining this is a six acre grove, sprout growth, 5-1/2 years of age, and the trees will average from 9 to 12 inches in diameter. While you were here we measured quite a number 15 inches in diameter.

I think my grove will make a better showing than the majority as I have given it considerable care. My Compton grove contains trees from nine months to five years of age. This property is in good condition and I hold it at \$2200.00 per acre.

I have no personal interest in any company whatsoever and am giving you this information purely in a spirit of good will to you and your friends, and trust that it will be of some benefit to you.

Very truly yours,

L. Michael



W. E. GRAVES

WHOLESALE COMMISSION
DOMESTIC AND IMPORT CHINA

OFFICES AND SHOW ROOMS
704-5 EQUITABLE BUILDING

ST. LOUIS, July 31, 1909.

Mr. Wm. Merkel,
Beaumont, Calif.

Dear Sir:--

During the month of July 1908 the writer was in Los Angeles and noticed an article in the Examiner that you had just marketed a tract of Eucalyptus of five years' growth selling the same for cordwood at a gross return of \$2,472.00 and with a net return of \$1,564 per acre; that you had attained this marvelous growth without irrigation in a period of five years.

I have recently become very much interested in Eucalyptus and would appreciate the kindness of a letter from you advising if the above statements were correct. About what would you judge was the average height attained by these trees and also the average diameter at base.

Thanking you in advance for the courtesy of an early reply,

Yours very truly,

W. E. Graves

Beaumont Cal.

Aug 6th, 1909

*Mr. Graves:
St. Louis, Mo.*

Dear Sir:

In answer to your letter I can say that the article you saw in the Examiner was correct, but the stumps were eighteen years old and had been cut down twice before. It would be difficult to say just how high the trees were but I should judge about an average of 80 ft. and from 8 to 12 inches in diameter and about five trees to each stump.

*Yours truly,
Wm. Merkel*



DELANO, CALIFORNIA
AND
201-3 LAUGHLIN BLDG.
LOS ANGELES, CALIFORNIA

EDWIN ALDERSON
TULARE AND KERN COUNTY LANDS
NOTARY PUBLIC AND CONVEYANCING



DELANO, CAL. Dec. 20, 1910

Mr. William E. Graves,
704-5 Equitable Building,
St. Louis, Mo.

Dear Sir:-

Forest

Mr. A. F. Blaylock, Manager of the Eucalyptus Timber Corporation, came in to see me yesterday and asked me at what price we were selling "MADELAND SUBDIVISION" at, and I told him our price had been \$85.00 per acre, but from and after ^{Jan 1st 1910} price is to be \$100.00 per acre and no less.

Mr. Blaylock expected to see Mr. Alderson, the owner personally, but Mr. Alderson is in Los Angeles on important business connected with this land and I take the liberty of writing you in his behalf, I being his Manager here.

I am sending you one of our small circulars which describes this land; we consider the said lands as being as good as any in this state as to soil and climatic conditions.

I remain

Yours Truly,

Edwin Alderson
for Edwin Alderson

TO WHOM IT MAY CONCERN:

The lands referred to in the above letter adjoin the property of the Eucalyptus Timber Corporation, Pixley, Cal., and is evidence of the fact that we are using high-class soil and NOT "cheap lands" for our plantings. Mr. Alderson is selling his tracts for wheat, orange and alfalfa purposes.

W. E. GRAVES.



ENGRAVINGS BY
PARKER-CHAMBERS ENG. CO.
KANSAS CITY

AND
WOODWARD & TIERNAN PRtg. CO.
SAINT LOUIS

EUCALYPTUS
TIMBER
CORPORATION



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